

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061218\
 Data File : BF106371.D
 Acq On : 13 Jun 2018 4:25
 Operator : JU/SJ
 Sample : J3164-05
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 T11-DP-29-5.5-6.0-052418

Manual Integrations
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 6/13/2018 4:56:37 PM

Quant Time: Jun 13 07:16:41 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 11 15:00:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.98	152	117319	20.00	ng	0.00
21) Naphthalene-d8	8.27	136	290996	20.00	ng	0.01
38) Acenaphthene-d10	10.02	164	156796	20.00	ng	0.01
63) Phenanthrene-d10	11.51	188	383803	20.00	ng	0.00
75) Chrysene-d12	14.15	240	389420	20.00	ng	0.00
86) Perylene-d12	15.68	264	280196	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.62	112	720927	104.00	ng	0.04
7) Phenol-d6	6.62	99	852448	97.34	ng	0.04
23) Nitrobenzene-d5	7.54	82	462012	93.40	ng	0.00
41) 2,4,6-Tribromophenol	10.81	330	179206	118.79	ng	0.00
44) 2-Fluorobiphenyl	9.34	172	624393	65.50	ng	0.01
78) Terphenyl-d14	13.09	244	1048154	66.85	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Naphthalene	8.29	128	82105	6.242	ng	# 52
37) 2-Methylnaphthalene	8.98	142	152102	16.976	ng	# 94
51) Acenaphthene	10.06	154	45319	4.717	ng	# 56
54) Dibenzofuran	10.23	168	95268	7.364	ng	# 79
57) Fluorene	10.57	166	111212	10.850	ng	# 87
70) Phenanthrene	11.53	178	315585	16.790	ng	98
71) Anthracene	11.58	178	87440	4.644	ng	99
74) Fluoranthene	12.72	202	281211	14.029	ng	98
77) Pyrene	12.95	202	226589	9.294	ng	99
80) Benzo(a)anthracene	14.14	228	94806	4.091	ng	99
82) Chrysene	14.18	228	78476	3.709	ng	97
87) Benzo(b)fluoranthene	15.23	252	75531m	4.459	ng	
89) Benzo(a)pyrene	15.61	252	48551	3.187	ng	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

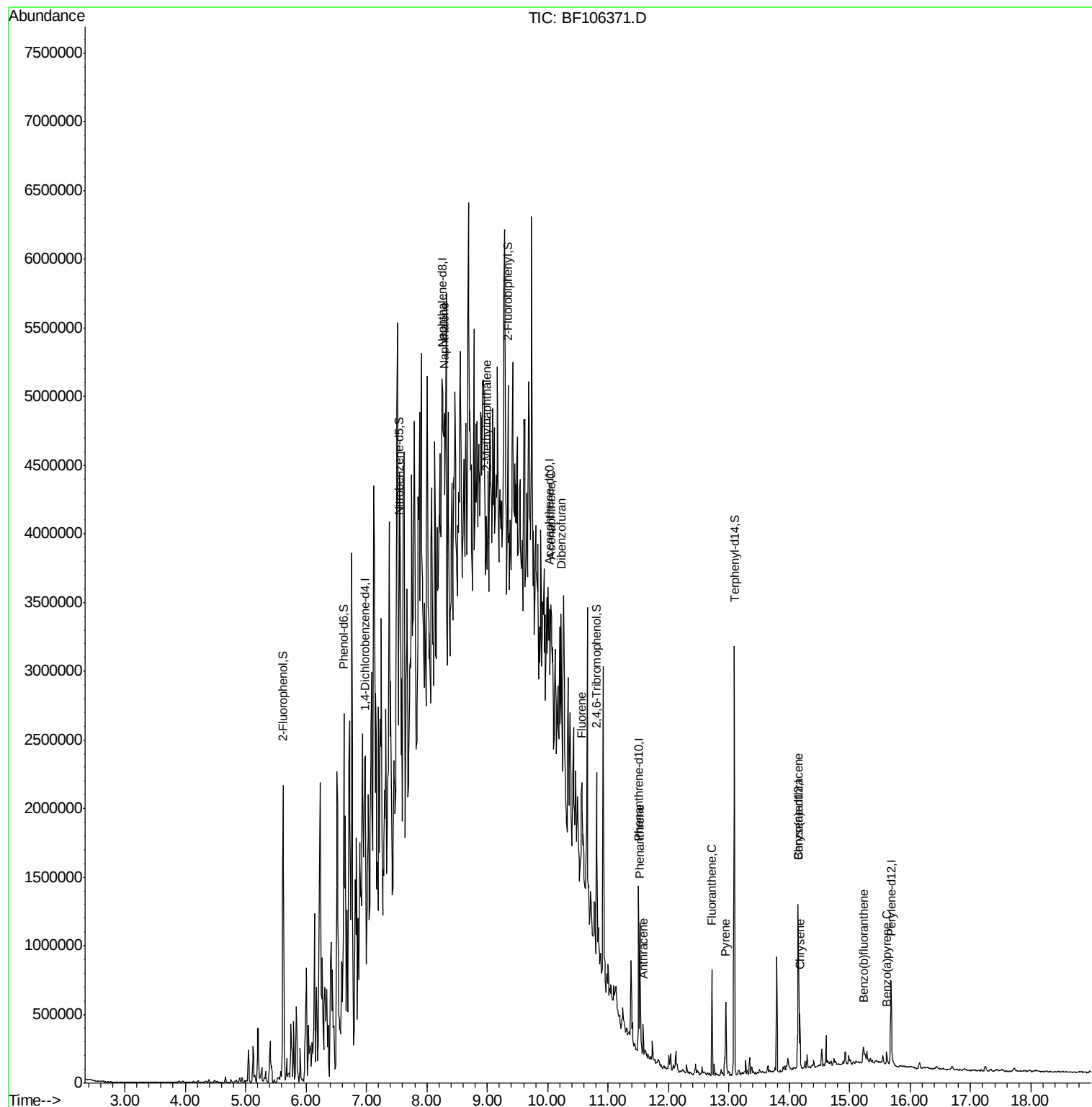
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061218\
Data File : BF106371.D
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Sample : J3164-05
Misc :
ALS Vial : 34 Sample Multiplier: 1

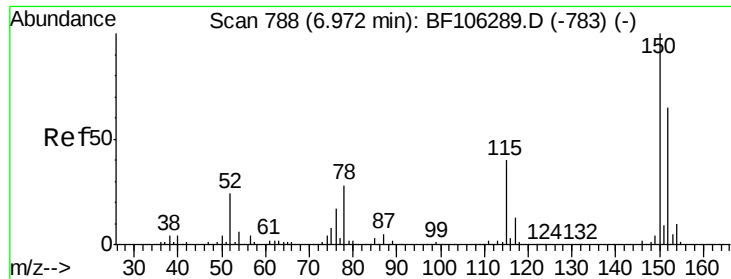
Instrument :
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T11-DP-29-5.5-6.0-052418

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061118.M
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#1

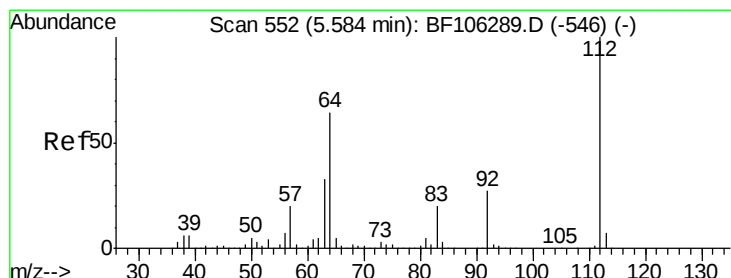
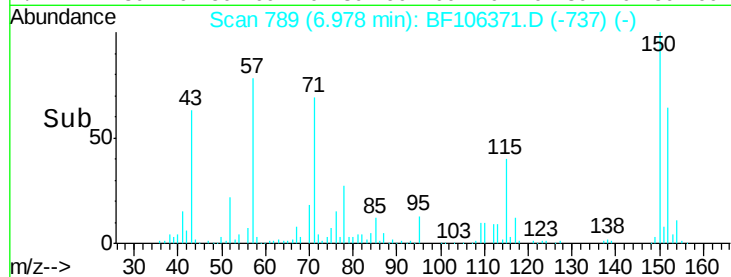
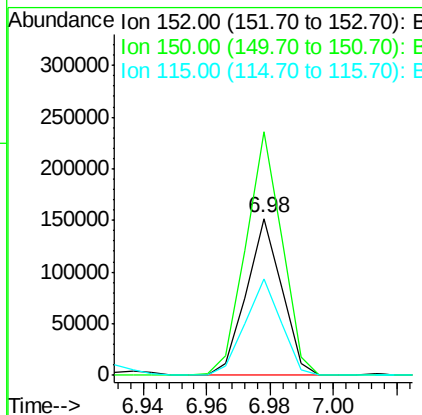
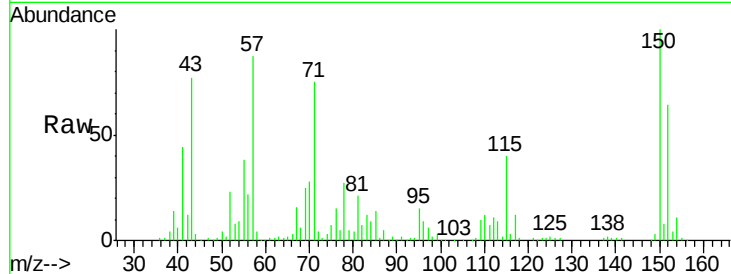
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.98 min Scan# 789
Delta R.T. 0.01 min
Lab File: BF106371.D
Acq: 13 Jun 2018 4:25

Instrument :
BNA_F
ClientSampleId :
T11-DP-29-5.5-6.0-052418

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.3	124.6	186.8
115	61.8	50.1	75.1

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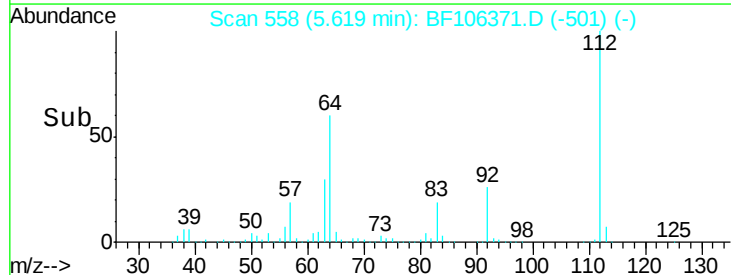
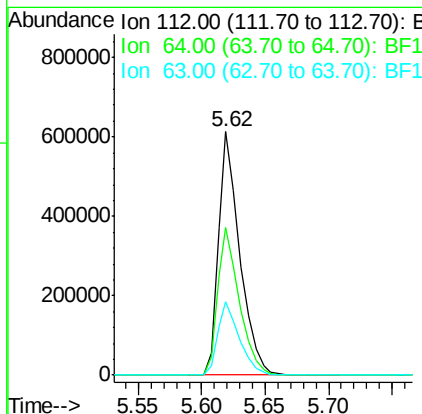
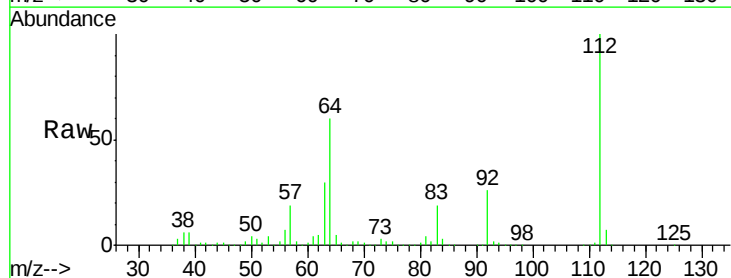
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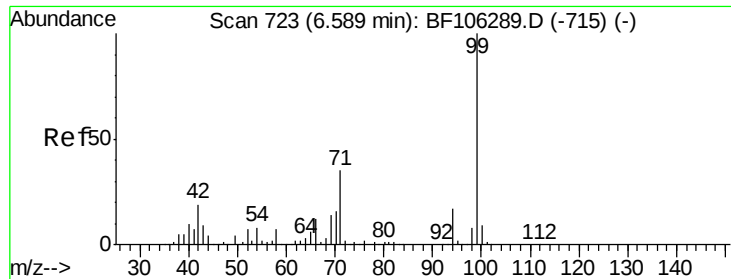


#5

2-Fluorophenol
Concen: 104.004 ng
RT: 5.62 min Scan# 558
Delta R.T. 0.04 min
Lab File: BF106371.D
Acq: 13 Jun 2018 4:25

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.4	47.9	71.9
63	30.3	23.7	35.5





#7

Phenol-d6

Concen: 97.338 ng

RT: 6.62 min Scan# 729

Delta R.T. 0.04 min

Lab File: BF106371.D

Acq: 13 Jun 2018 4:25

Instrument :

BNA_F

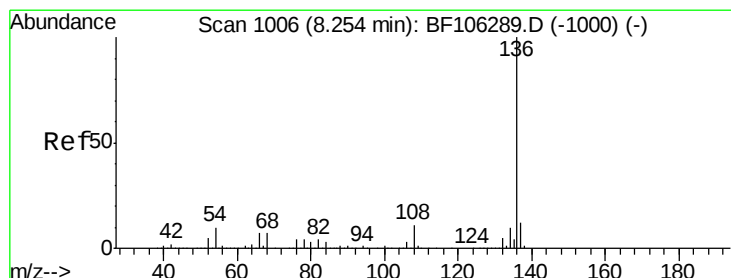
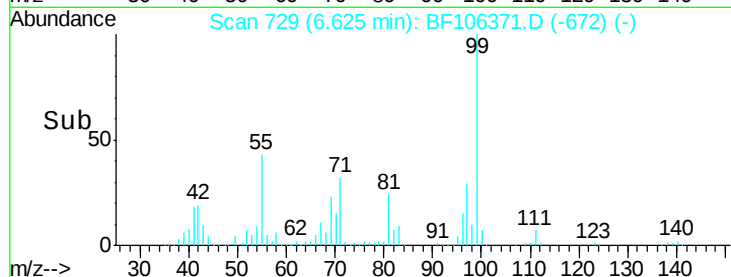
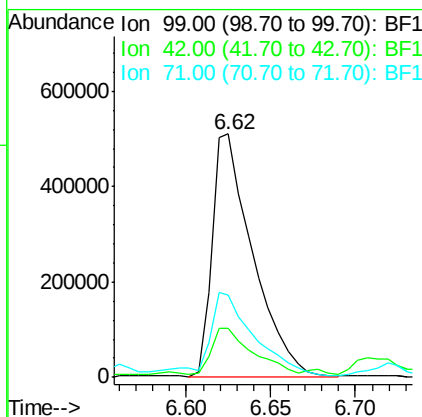
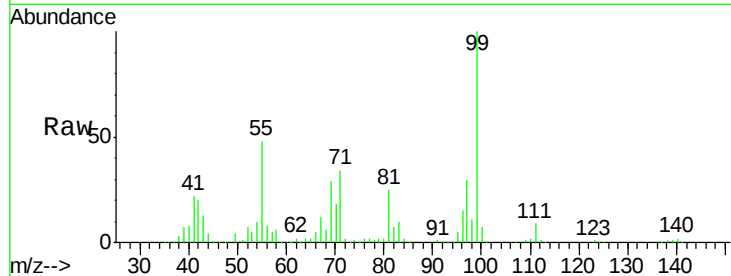
ClientSampleId :

T11-DP-29-5.5-6.0-052418

Tot Ion:	99	Resp:	852448
Ion Ratio	Lower	Upper	
99	100		
42	20.1	14.5	21.7
71	33.8	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

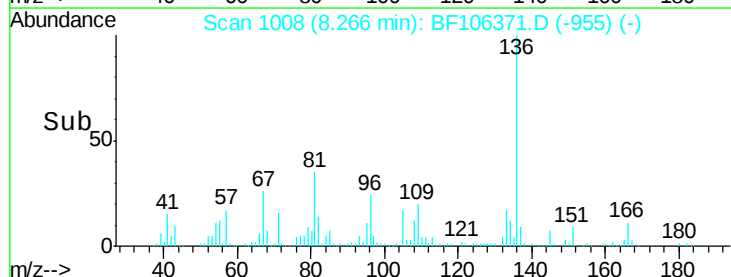
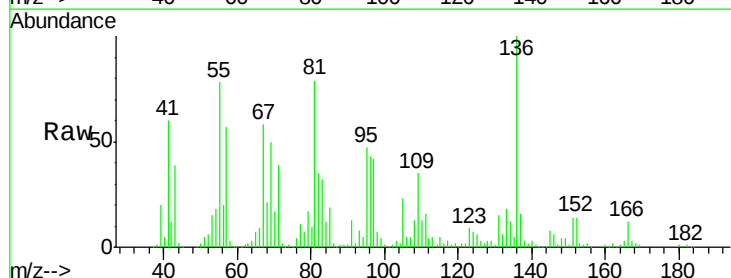
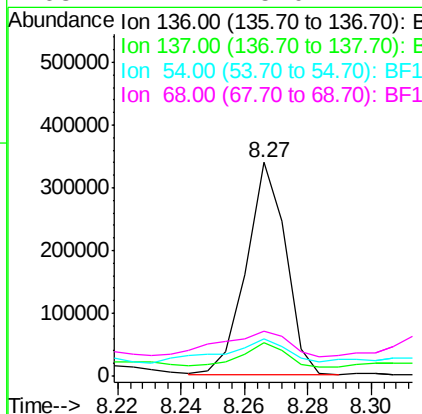
RT: 8.27 min Scan# 1008

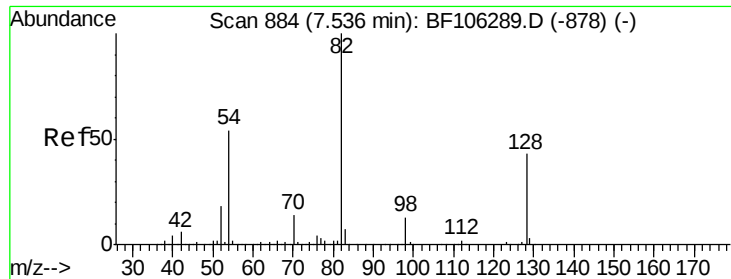
Delta R.T. 0.01 min

Lab File: BF106371.D

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Tgt Ion:	136	Resp:	290996
Ion Ratio	Lower	Upper	
136	100		
137	15.7	8.9	13.3#
54	17.6	6.6	9.8#
68	21.2	5.0	7.4#





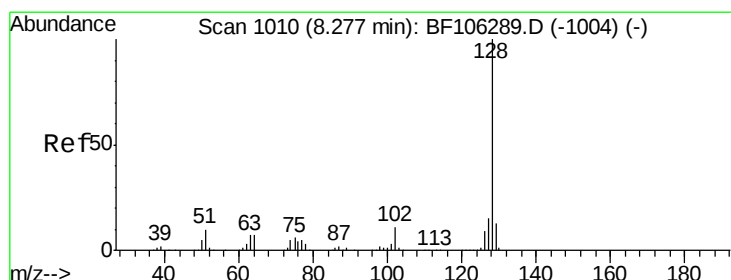
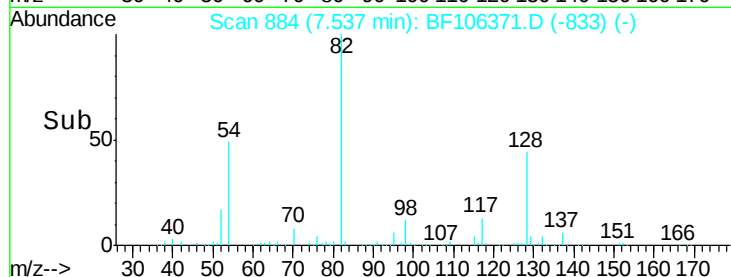
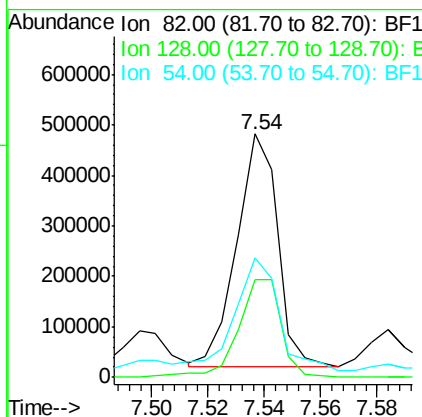
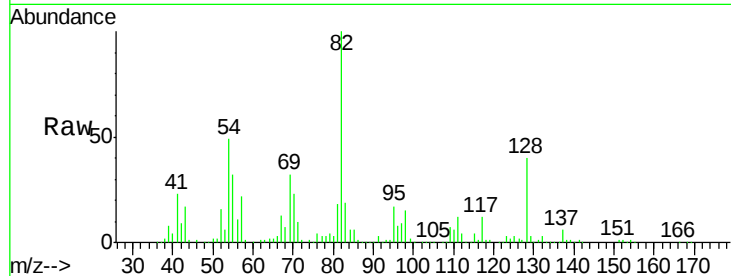
#23
Nitrobenzene-d5
Concen: 93.402 ng
RT: 7.54 min Scan# 884
Delta R.T. 0.00 min
Lab File: BF106371.D
Acq: 13 Jun 2018 4:25

Instrument :
BNA_F
ClientSampleId :
T11-DP-29-5.5-6.0-052418

Tot Ion:	82	Resp:	462012
Ion Ratio	Lower	Upper	
82	100		
128	40.0	36.1	54.1
54	48.9	41.4	62.2

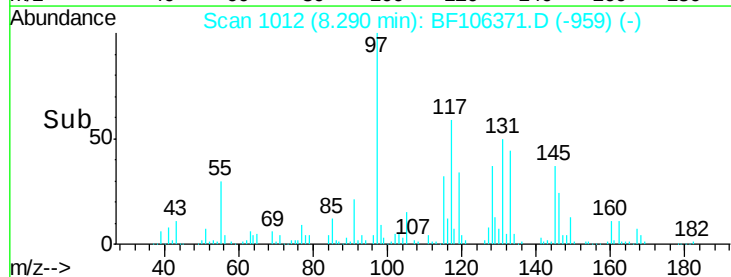
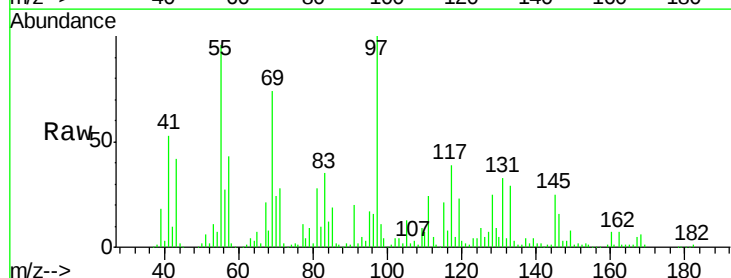
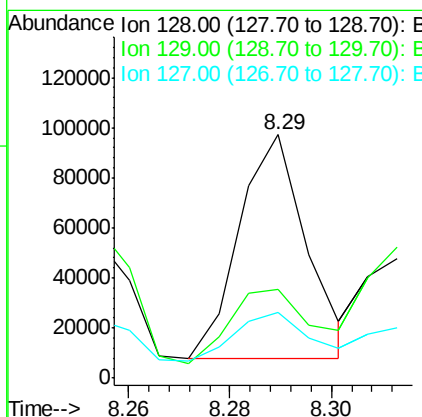
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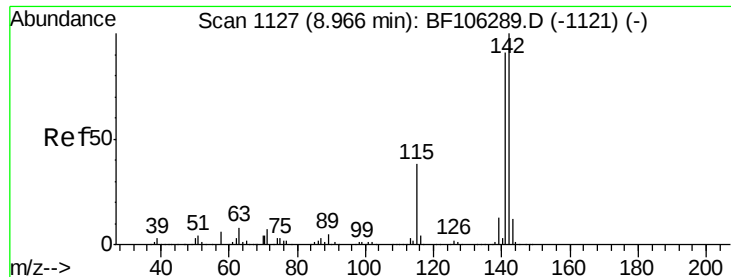
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#31
Naphthalene
Concen: 6.242 ng
RT: 8.29 min Scan# 1012
Delta R.T. 0.01 min
Lab File: BF106371.D
Acq: 13 Jun 2018 4:25

Tgt Ion:	128	Resp:	82105
Ion Ratio	Lower	Upper	
128	100		
129	36.3	8.8	13.2#
127	26.9	10.9	16.3#





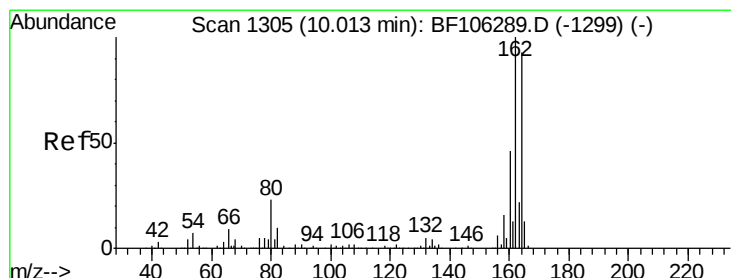
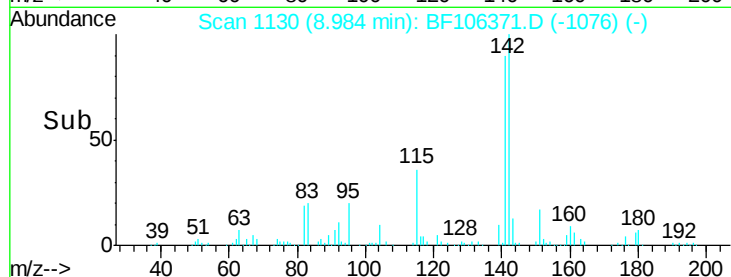
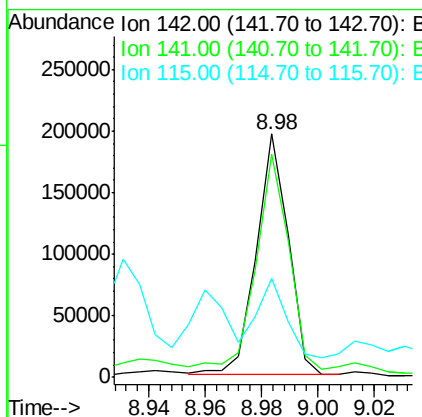
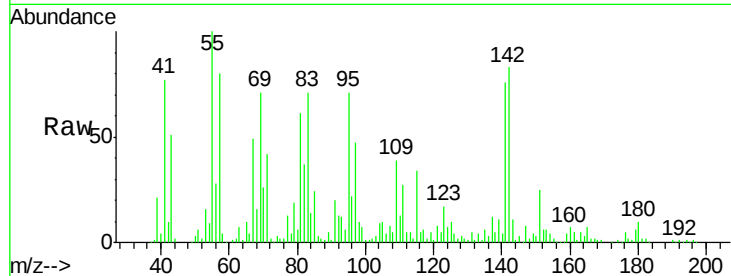
#37
2-Methylnaphthalene
Concen: 16.976 ng
RT: 8.98 min Scan# 1130
Delta R.T. 0.02 min
Lab File: BF106371.D
Acq: 13 Jun 2018 4:25

Instrument :
BNA_F
ClientSampled :
T11-DP-29-5.5-6.0-052418

Tot Ion	Ratio	Resp	Lower	Upper
142	100	152102		
141	91.6	70.8	106.2	
115	40.6	26.1	39.1#	

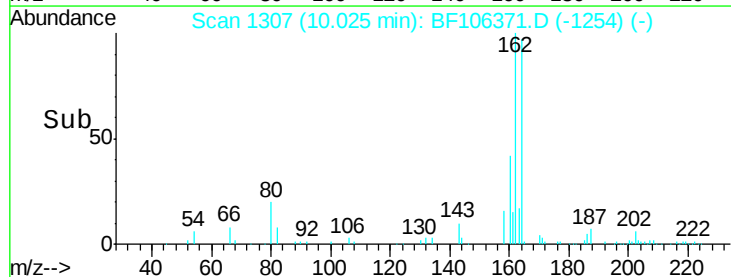
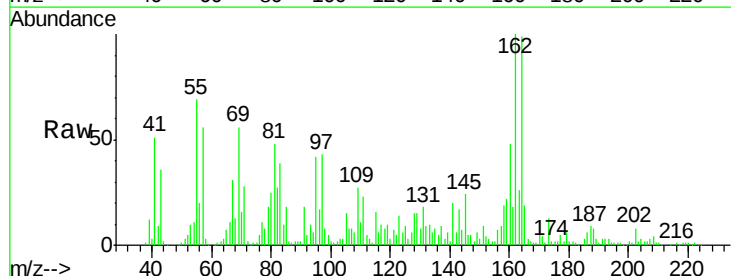
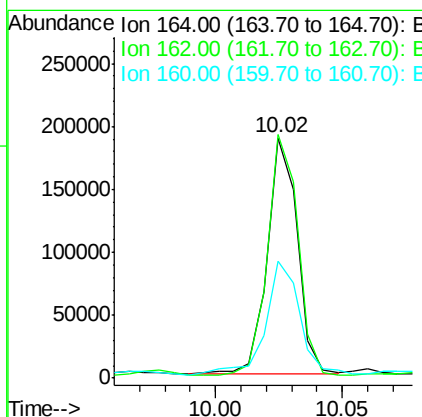
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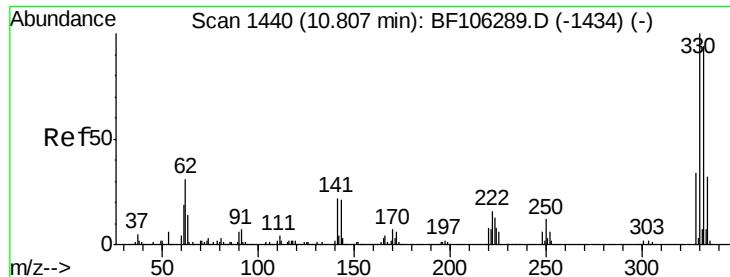
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.02 min Scan# 1307
Delta R.T. 0.01 min
Lab File: BF106371.D
Acq: 13 Jun 2018 4:25

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	156796		
162	101.5	86.1	129.1	
160	48.6	38.3	57.5	





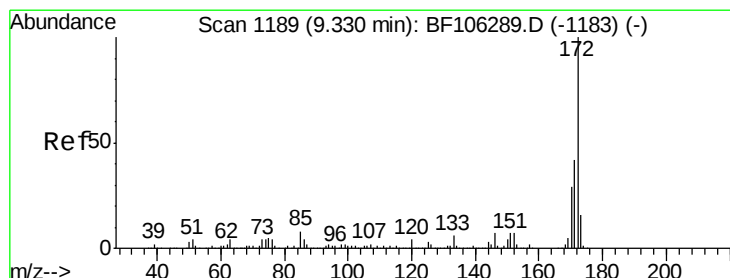
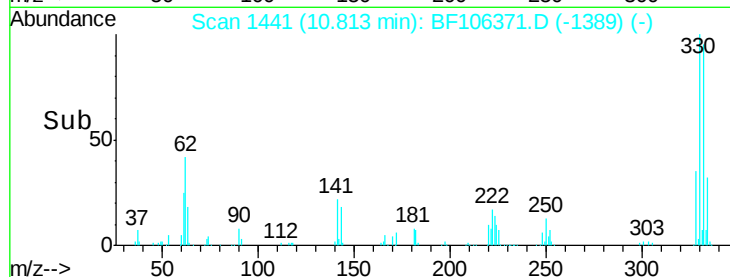
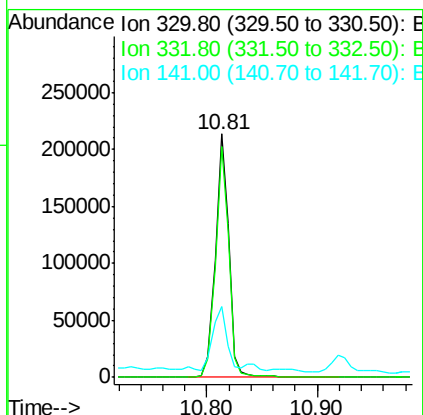
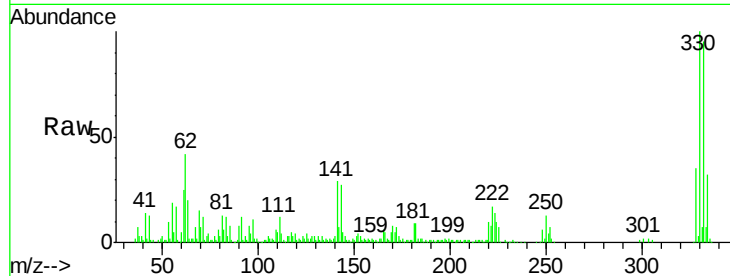
#41
 2,4,6-Tribromophenol
 Concen: 118.786 ng
 RT: 10.81 min Scan# 1441
 Delta R.T. 0.01 min
 Lab File: BF106371.D
 Acq: 13 Jun 2018 4:25

Instrument :
 BNA_F
 ClientSampleId :
 T11-DP-29-5.5-6.0-052418

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.2	77.0	115.6
141	25.8	29.9	44.9

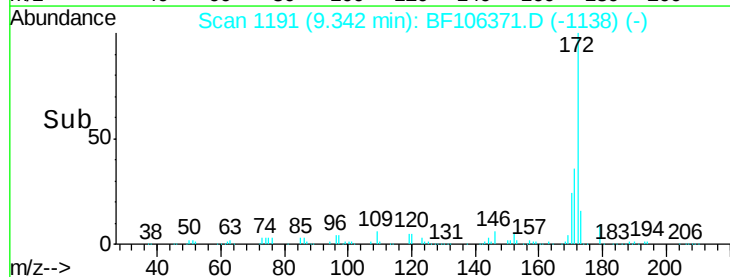
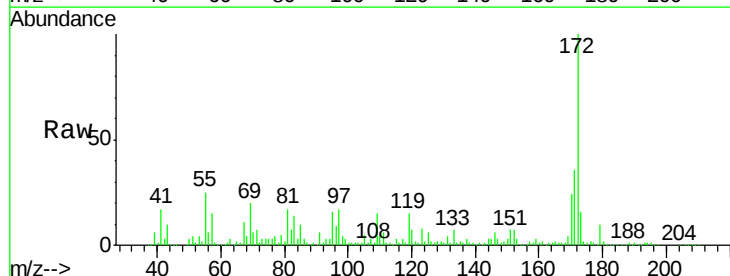
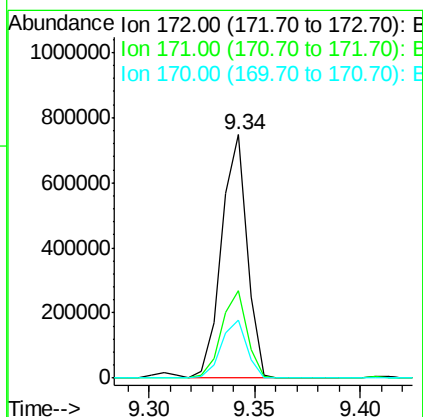
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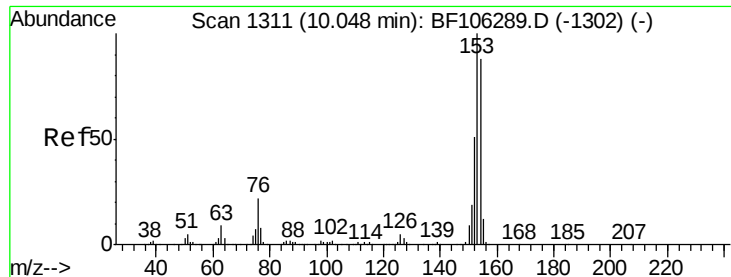
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#44
 2-Fluorobiphenyl
 Concen: 65.497 ng
 RT: 9.34 min Scan# 1191
 Delta R.T. 0.01 min
 Lab File: BF106371.D
 Acq: 13 Jun 2018 4:25

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.7	44.5
170	24.0	19.6	29.4





#51

Acenaphthene

Concen: 4.717 ng

RT: 10.06 min Scan# 1313

Delta R.T. 0.01 min

Lab File: BF106371.D

Acq: 13 Jun 2018 4:25

Instrument :

BNA_F

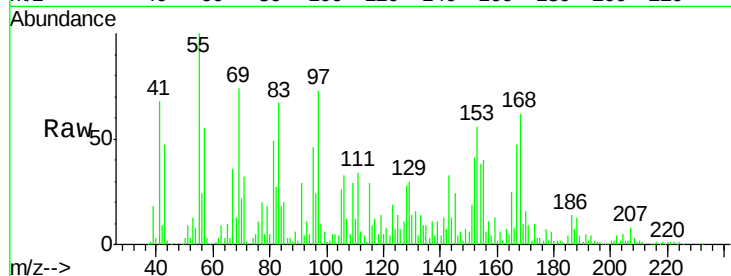
ClientSampleId :

T11-DP-29-5.5-6.0-052418

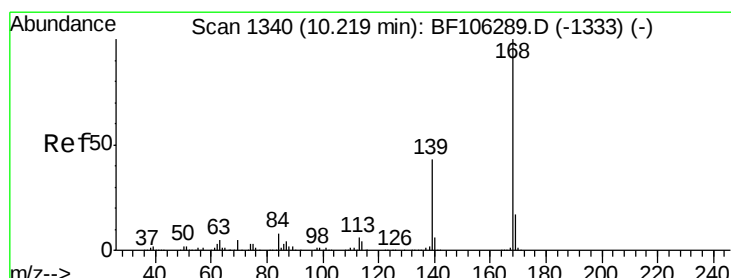
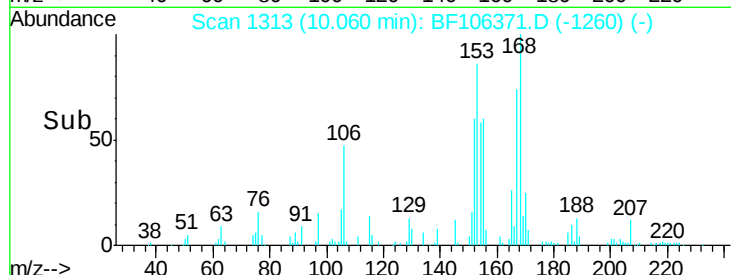
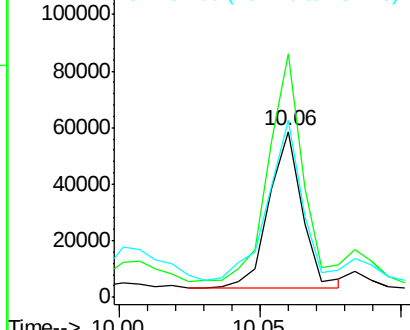
Tot Ion:	154	Resp:	45319
Ion Ratio	Lower	Upper	
154	100		
153	146.6	91.2	136.8#
152	106.3	43.8	65.8#

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 7.364 ng

RT: 10.23 min Scan# 1342

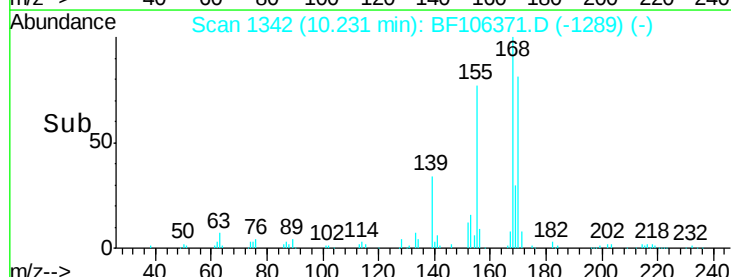
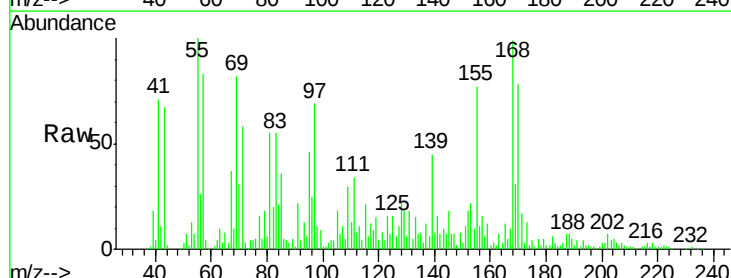
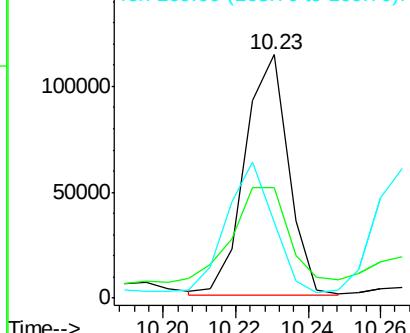
Delta R.T. 0.01 min

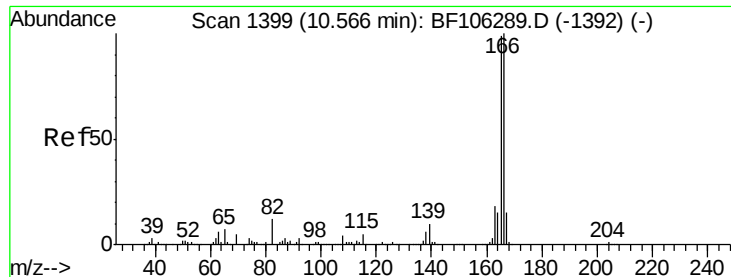
Lab File: BF106371.D

Acq: 13 Jun 2018 4:25

Tgt Ion:	168	Resp:	95268
Ion Ratio	Lower	Upper	
168	100		
139	45.5	30.1	45.1#
169	31.1	10.9	16.3#

Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





#57

Fluorene

Concen: 10.850 ng

RT: 10.57 min Scan# 1400

Delta R.T. 0.01 min

Lab File: BF106371.D

Acq: 13 Jun 2018 4:25

Instrument :

BNA_F

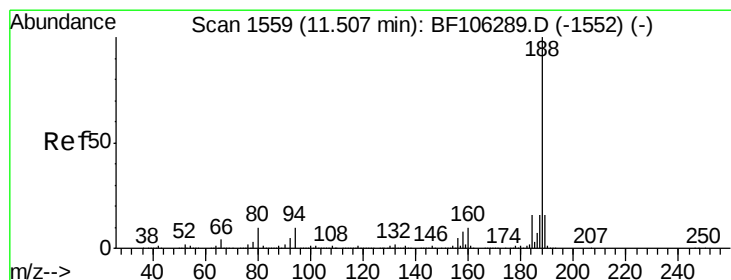
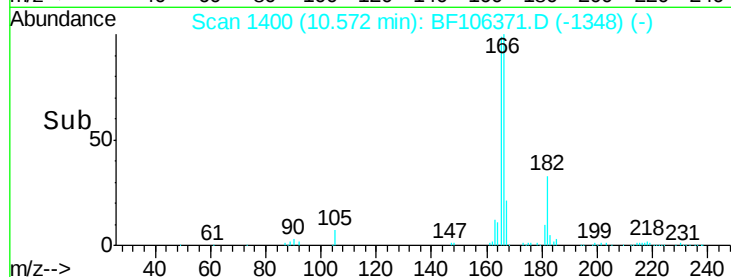
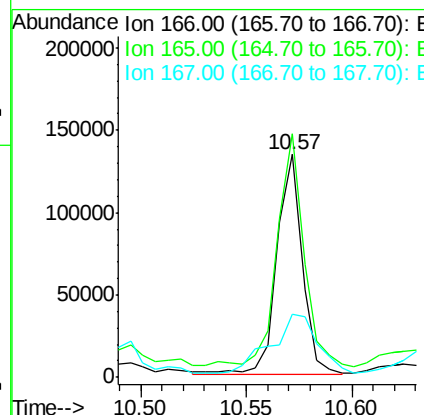
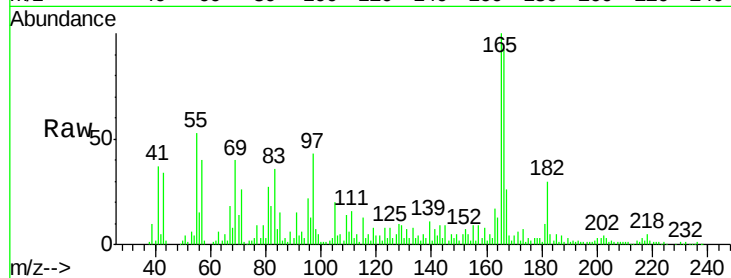
ClientSampleId :

T11-DP-29-5.5-6.0-052418

Tot Ion:	166	Resp:	111212
Ion Ratio	Lower	Upper	
166	100		
165	109.2	79.8	119.8
167	28.3	10.6	16.0#

Manual Integrations
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#63

Phenanthrene-d10

Concen: 20.000 ng

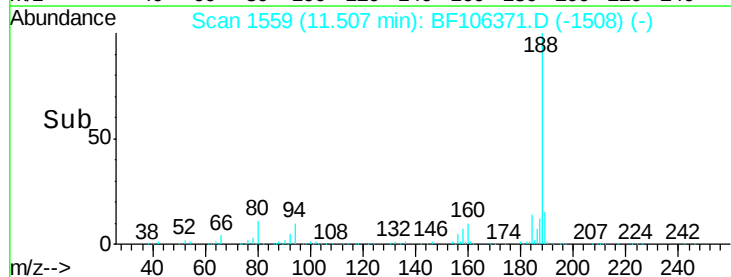
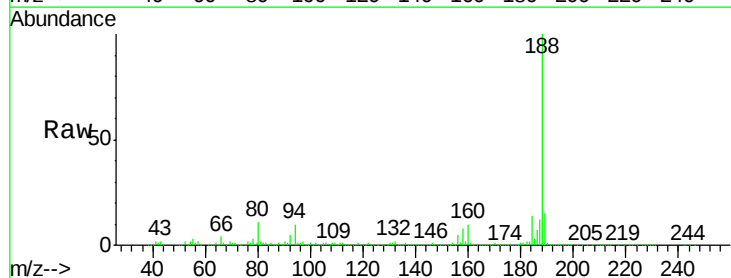
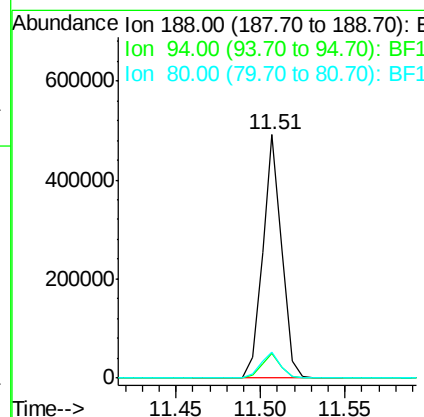
RT: 11.51 min Scan# 1559

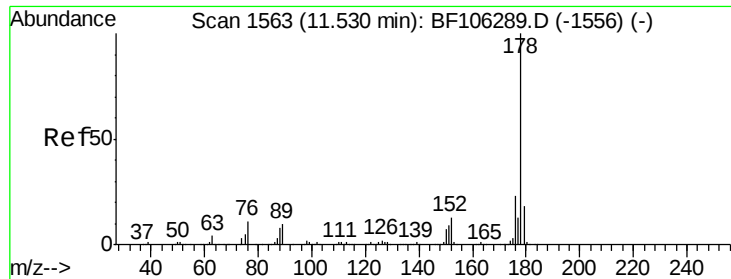
Delta R.T. 0.00 min

Lab File: BF106371.D

Acq: 13 Jun 2018 4:25

Tgt Ion:	188	Resp:	383803
Ion Ratio	Lower	Upper	
188	100		
94	10.0	8.5	12.7
80	10.8	9.2	13.8





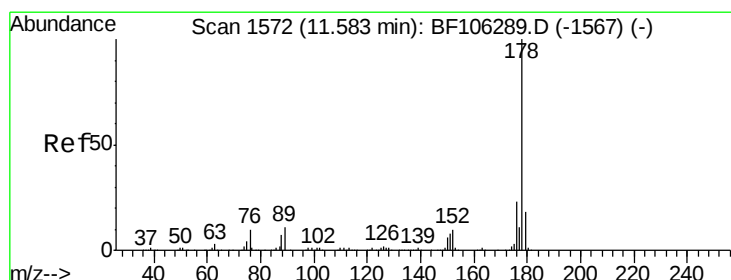
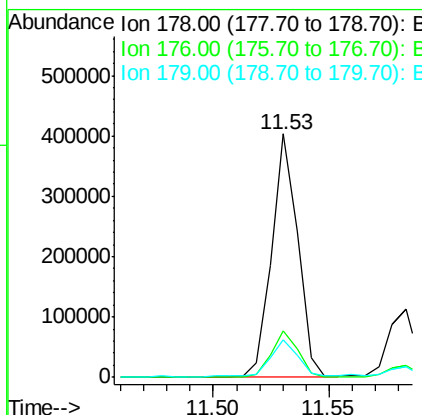
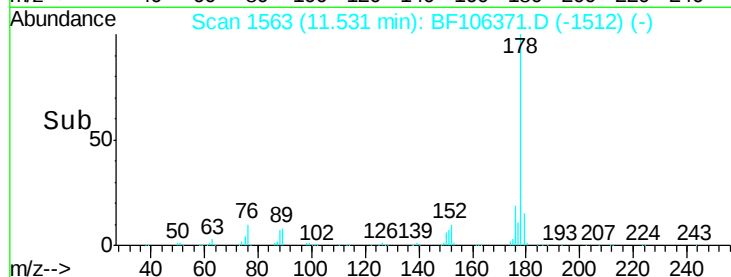
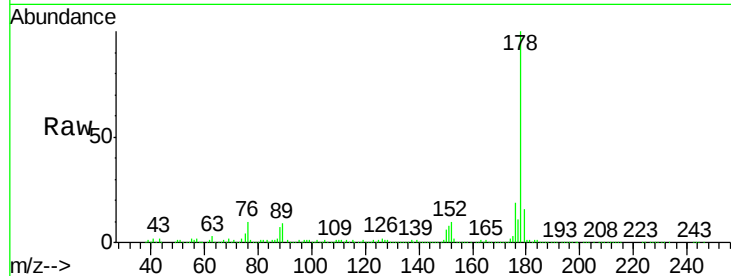
#70
Phenanthrene
Concen: 16.790 ng
RT: 11.53 min Scan# 1563
Delta R.T. 0.00 min
Lab File: BF106371.D
Acq: 13 Jun 2018 4:25

Instrument :
BNA_F
ClientSampleId :
T11-DP-29-5.5-6.0-052418

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.8	23.8
179	15.6	13.0	19.6

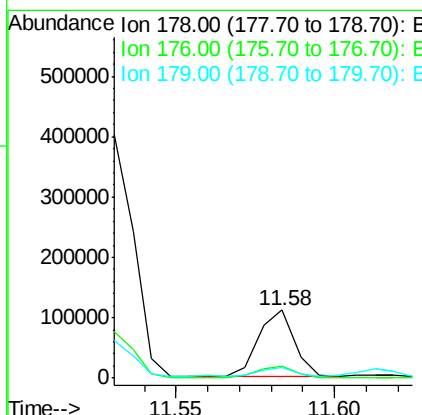
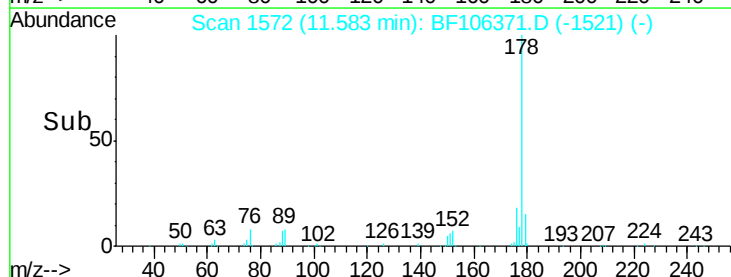
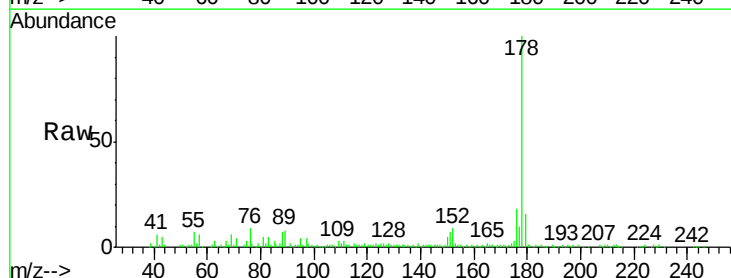
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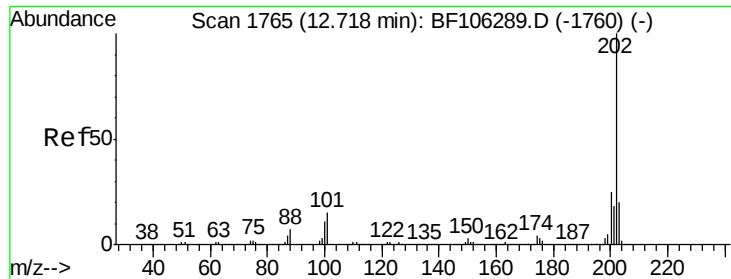
Sohil
6/13/2018 4:56:37 PM



#71
Anthracene
Concen: 4.644 ng
RT: 11.58 min Scan# 1572
Delta R.T. 0.00 min
Lab File: BF106371.D
Acq: 13 Jun 2018 4:25

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.4	23.2
179	16.0	12.6	19.0





#74

Fluoranthene

Concen: 14.029 ng

RT: 12.72 min Scan# 1765

Delta R.T. 0.00 min

Lab File: BF106371.D

Acq: 13 Jun 2018 4:25

Instrument :

BNA_F

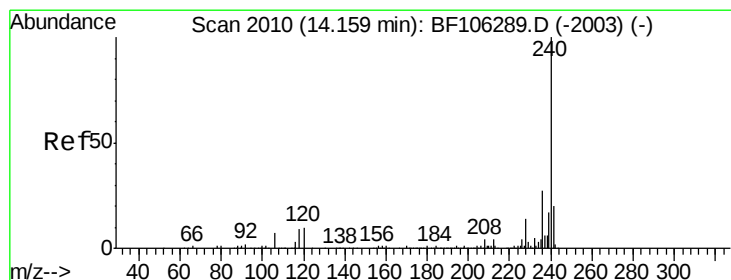
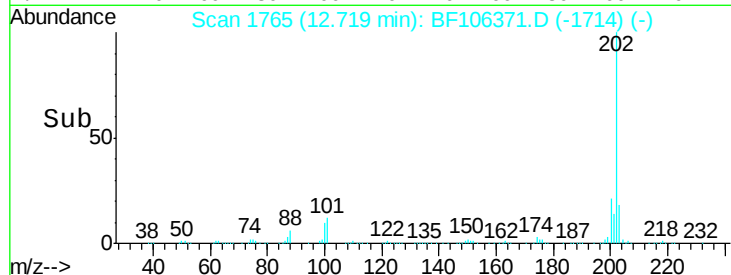
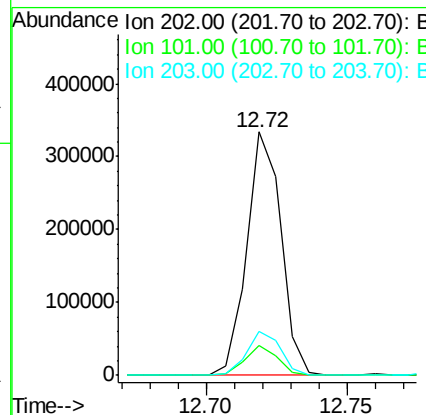
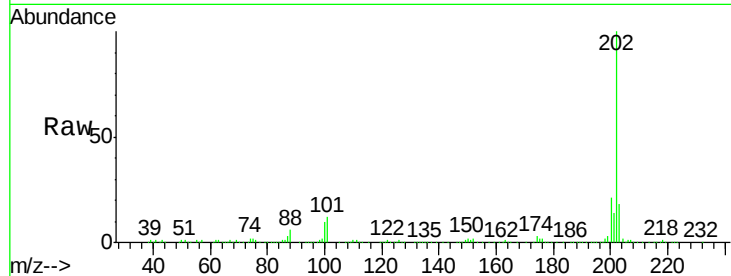
ClientSampleId :

T11-DP-29-5.5-6.0-052418

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	12.2	0.0	34.1
203	18.1	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

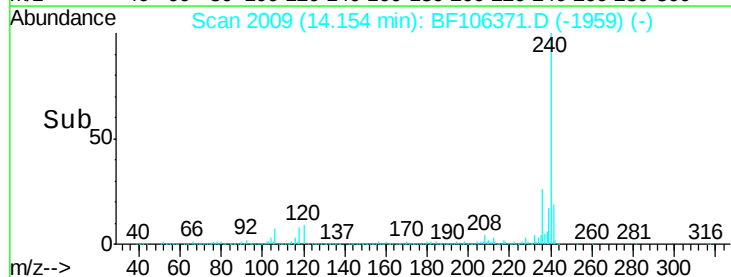
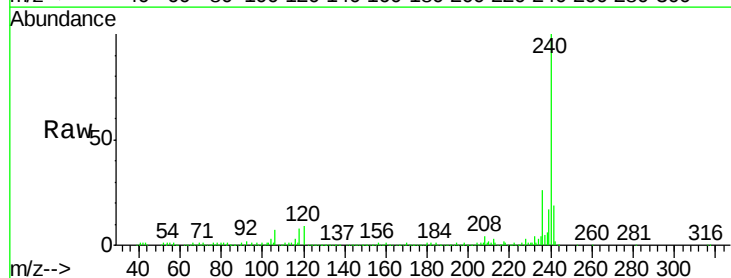
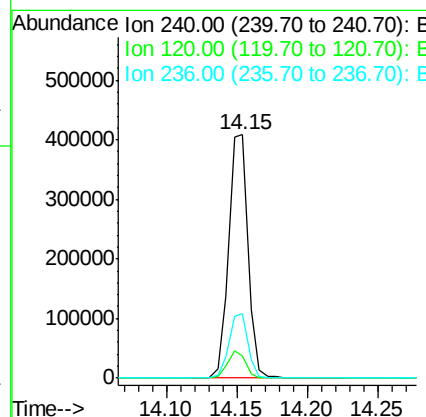
RT: 14.15 min Scan# 2009

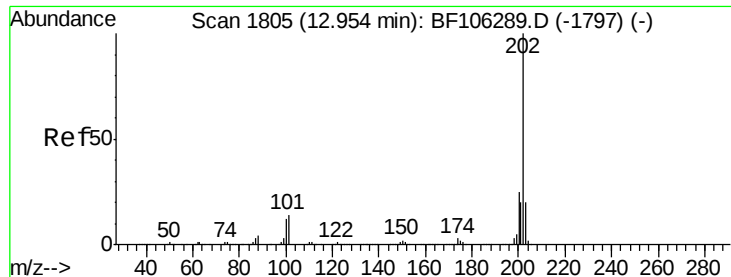
Delta R.T. -0.01 min

Lab File: BF106371.D

Acq: 13 Jun 2018 4:25

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	8.9	9.5	14.3#
236	26.2	20.7	31.1





#77

Pvrene

Concen: 9.294 ng

RT: 12.95 min Scan# 1805

Delta R.T. 0.00 min

Lab File: BF106371.D

Acq: 13 Jun 2018 4:25

Instrument :

BNA_F

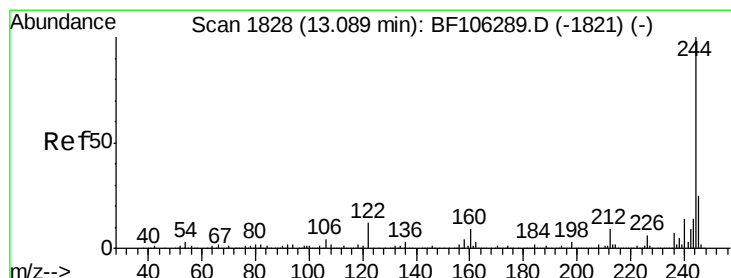
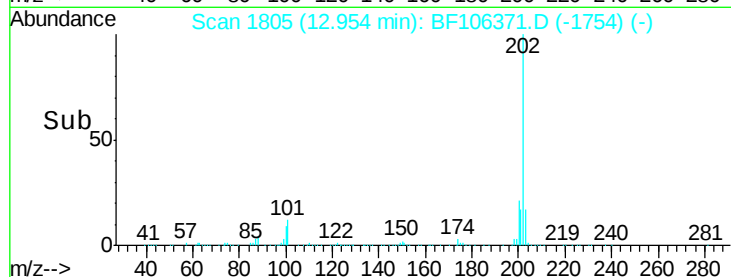
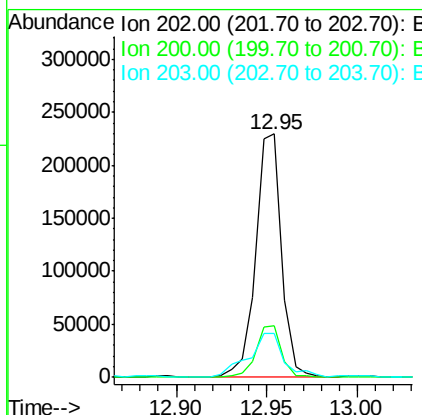
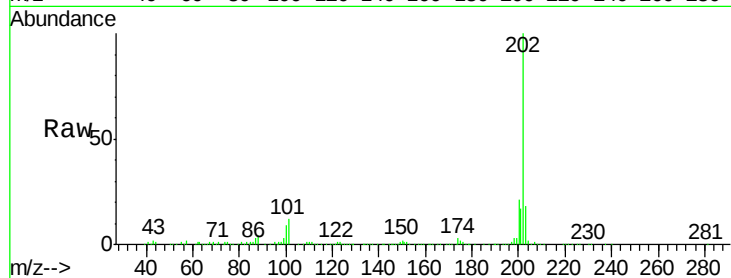
ClientSampleId :

T11-DP-29-5.5-6.0-052418

Tot Ion:	202	Resp:	226589
Ion Ratio		Lower	Upper
202	100		
200	21.0	17.4	26.2
203	17.9	14.3	21.5

Manual Integrations
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#78

Terphenyl-d14

Concen: 66.853 ng

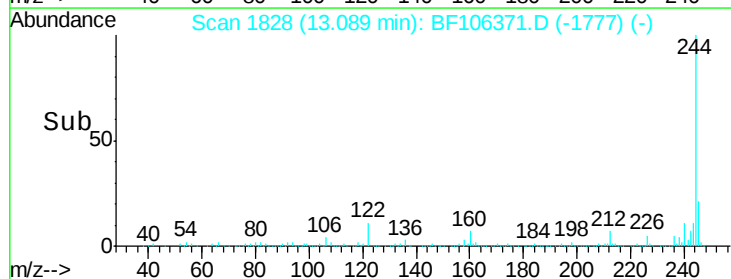
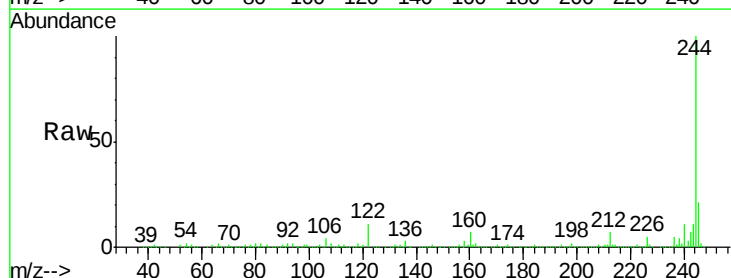
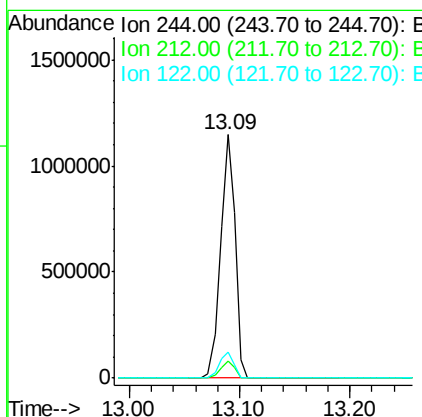
RT: 13.09 min Scan# 1828

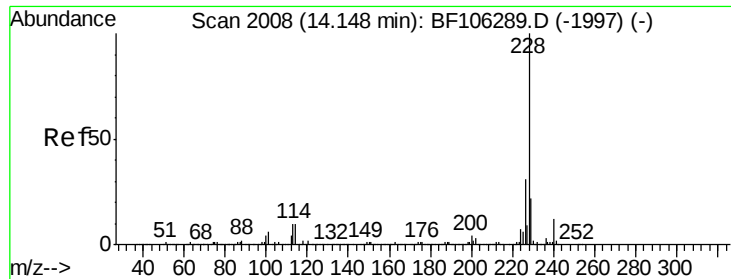
Delta R.T. 0.00 min

Lab File: BF106371.D

Acq: 13 Jun 2018 4:25

Tgt Ion:	244	Resp:	1048154
Ion Ratio		Lower	Upper
244	100		
212	7.3	5.4	8.0
122	10.7	11.0	16.4#





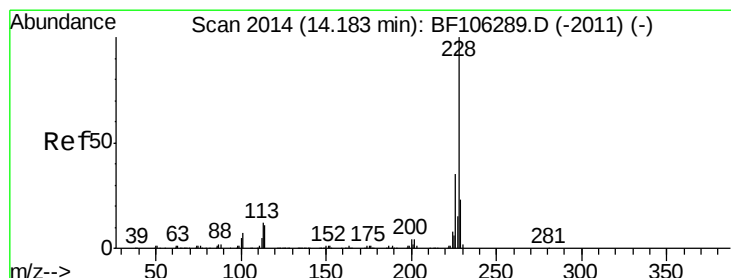
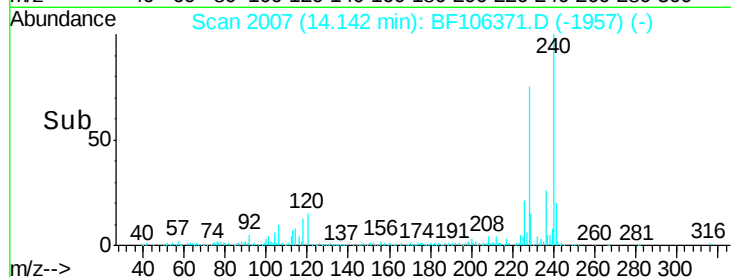
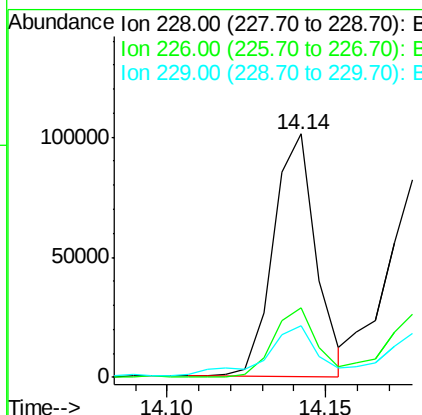
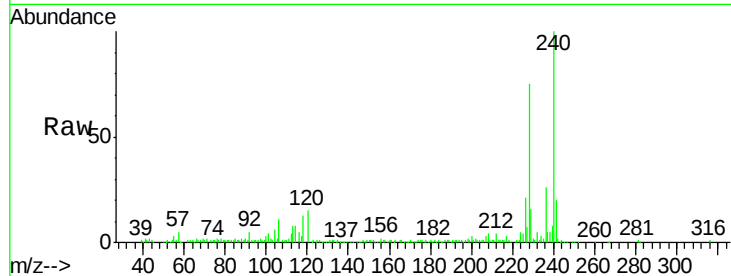
#80
Benzo(a)anthracene
Concen: 4.091 ng
RT: 14.14 min Scan# 2007
Delta R.T. -0.01 min
Lab File: BF106371.D
Acq: 13 Jun 2018 4:25

Instrument :
BNA_F
ClientSampleId :
T11-DP-29-5.5-6.0-052418

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.3	22.6	33.8
229	21.0	15.8	23.6

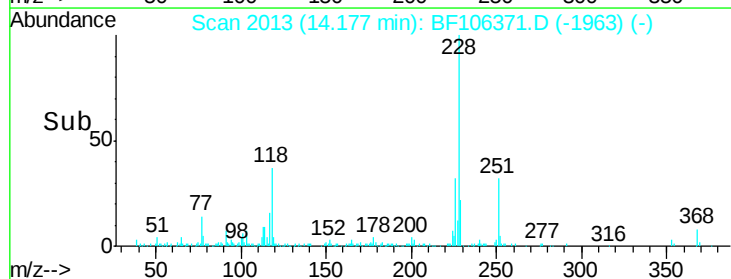
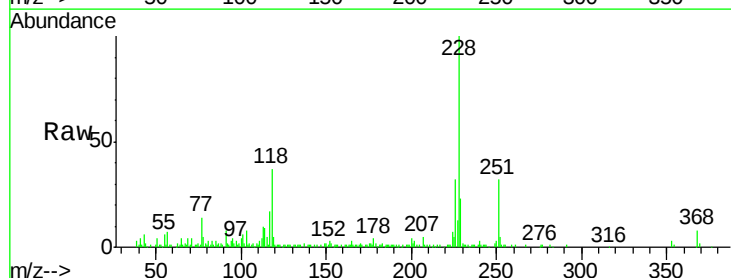
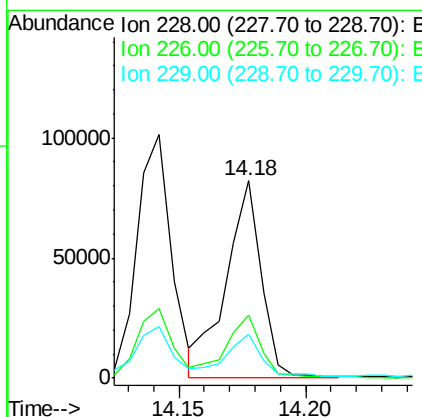
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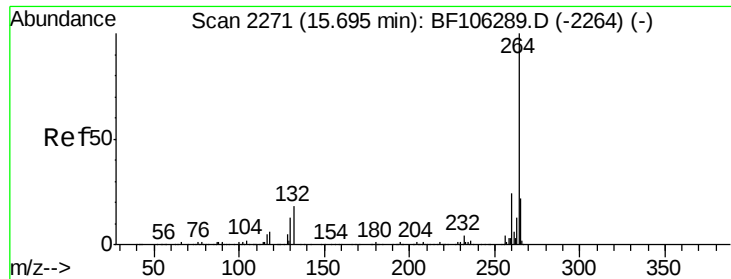
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#82
Chrysene
Concen: 3.709 ng
RT: 14.18 min Scan# 2013
Delta R.T. -0.01 min
Lab File: BF106371.D
Acq: 13 Jun 2018 4:25

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.2	25.0	37.6
229	22.5	16.2	24.4





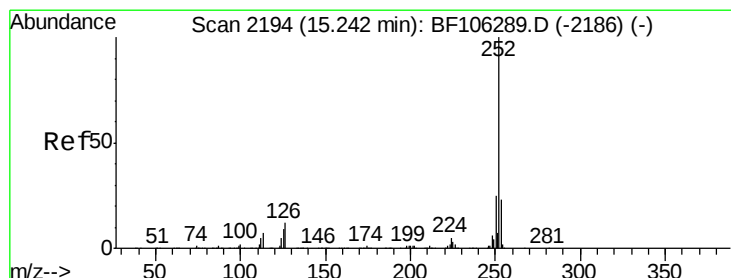
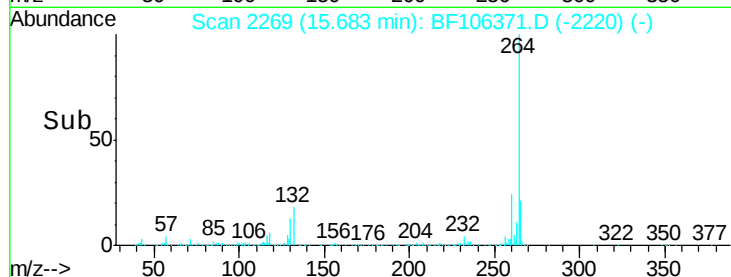
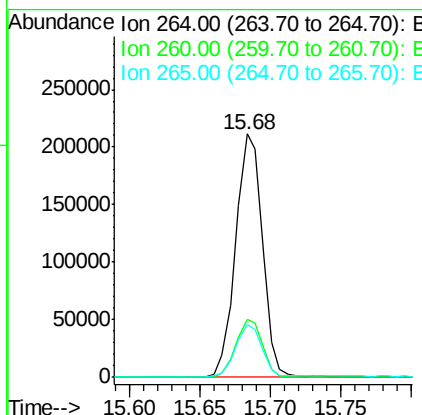
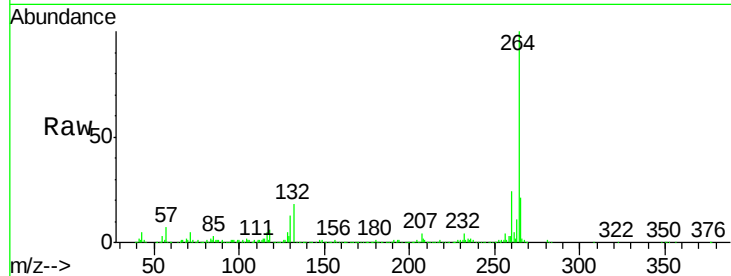
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.68 min Scan# 2269
Delta R.T. -0.01 min
Lab File: BF106371.D
Acq: 13 Jun 2018 4:25

Instrument :
BNA_F
ClientSampleId :
T11-DP-29-5.5-6.0-052418

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	21.5	17.5	26.3

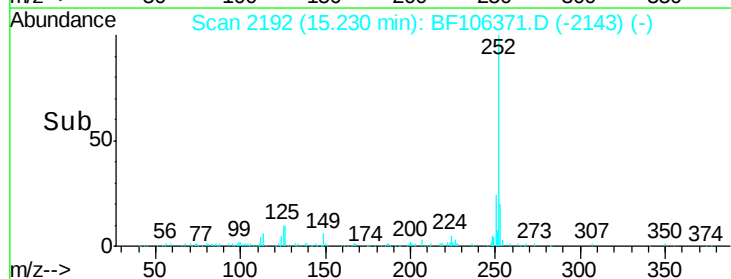
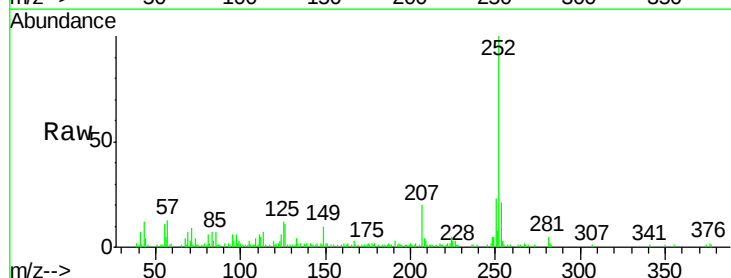
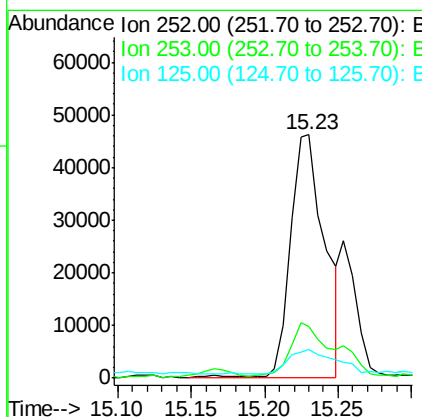
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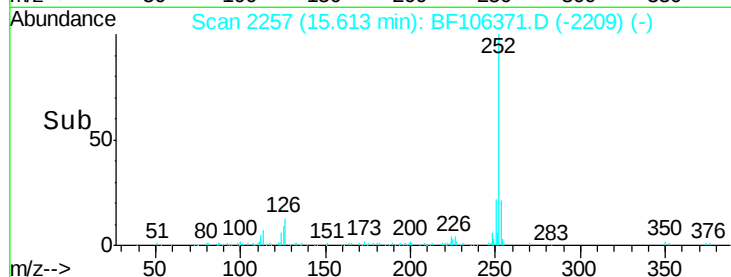
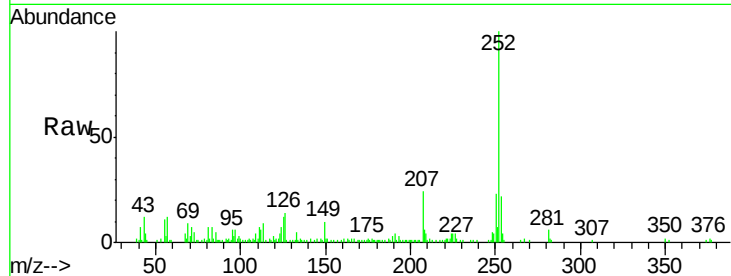
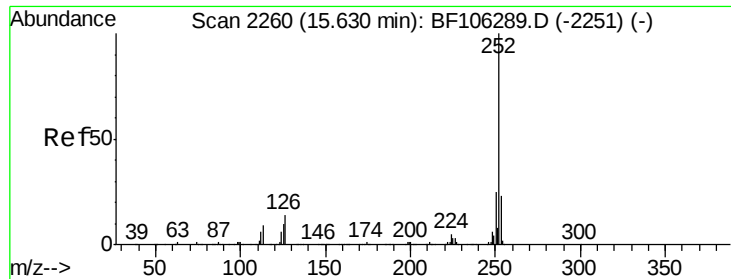
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#87
Benzo(b)fluoranthene
Concen: 4.459 ng m
RT: 15.23 min Scan# 2192
Delta R.T. -0.01 min
Lab File: BF106371.D
Acq: 13 Jun 2018 4:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.0	25.6
125	11.7	9.0	13.6





#89

Benzo(a)pyrene

Concen: 3.187 ng

RT: 15.61 min Scan# 2257

Delta R.T. -0.02 min

Lab File: BF106371.D

Acq: 13 Jun 2018 4:25

Instrument :

BNA_F

ClientSampleId :

T11-DP-29-5.5-6.0-052418

Tot Ion:	252	Resp:	48551
Ion Ratio	Lower	Upper	
252	100		
253	22.5	17.1	25.7
125	12.1	9.8	14.6

Manual Integrations
APPROVED

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6/13/2018 4:56:37 PM

